BRUHAT BANGALORE MAHANAGARA PALIKE

WORK :Installation of RO Plant and Drilling Borewells and Accessories in Ward No. 05 , Byatarayanapura sub

MEASUREMENT SHEET

FIRST AND FINAL BILL

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
Long Wall	Cum	2	4.17	0.20	0.30	0.50			
Beam @ Truss Level									
Long wall	Cum	2	4.57	0.20	0.30	0.55			
Short wall	Cum	2	3.55	0.20	0.30	0.43			
For Entrance step									
	Cum	1	2.77	0.30	0.15	0.12			
	Cum	1	2.77	0.30	0.15	0.12			
Palanahalli Doddamuniyappa Layout									
Coping Concrete for SSM									
Long wall	Cum	2	4.57	0.60	0.15	0.82			
Short wall	Cum	2	2.75	0.60	0.15	0.50			
Plinth Beam									
Long wall	Cum	2	4.57	0.20	0.30	0.55			
Short wall	Cum	2	2.75	0.20	0.30	0.33			
Lintel Beam									
Short wall	Cum	1	3.95	0.20	0.30	0.24			
	Cum	1	1.60	0.20	0.30	0.10			
Long Wall	Cum	2	4.17	0.20	0.30	0.50			
Beam @ Truss Level									
Long wall	Cum	2	4.57	0.20	0.30	0.55			
Short wall	Cum	2	2.75	0.20	0.30	0.33			
For Entrance step	Cum	1	2.75	0.30	0.15	0.12			
	Cum	1	2.75	0.30	0.15	0.12			
	Cum	1	2.75	0.30	0.15	0.12			
					Total Executed Quantity	**30.81**			
					Tender Quantity	**18.52**			
					Quantity upto 125%	**23.15**	**6417.31**	**148561.00**	
					Quantity Above 125%	**7.66**	**7166.44**	**54906.00**	
Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge									
	Tonne								
Vide Total executed Quantity from premeasuremet Page no. 10						**3.80**			
					Total Executed Quantity	**3.80**			
					Tender Quantity	**1.37**			
					Quantity upto 125%	**1.71**	**80475.44**	**137815.00**	
					Quantity Above 125%	**2.09**	**99083.67**	**207209.00**	
Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications and directions of the Engineer in charge									
Shivaram karanth nagar									
Long wall	Sqm	1	4.57		3.00	13.71			
	Sqm	1	4.57		3.40	15.54			
Short Wall	Sqm	1	3.66		3.20	11.71			
	Sqm	1	3.66		3.20	11.71			

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Assistant Engineer

Assistant Executive Engineer

25/11/2024

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Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
			Short Wall height=(3+3.4)/2						
Deductions									
RS	Sqm	-1	2.35		2.75	-6.46			
Windows	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Long Wall	Sqm	-1	4.57		0.30	-1.37			
	Sqm	-1	2.22		0.30	-0.67			
Short Wall	Sqm	-2	3.66		0.30	-2.20			
Beam @ Truss Level									
Long wall	Sqm	-2	4.57		0.30	-2.74			
Short wall	Sqm	-2	3.66		0.30	-2.20			
Srinivaspura Sai Baba Temple Road									
Long wall	Sqm	1	4.57		3.00	13.71			
	Sqm	1	4.57		3.40	15.54			
Short wall	Sqm	1	3.66		3.20	11.71			
	Sqm	1	3.66		3.20	11.71			
			Short Wall height=(3+3.4)/2						
Deductions									
RS	Sqm	-1	2.35		2.75	-6.46			
Windows	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Long Wall	Sqm	-1	4.57		0.30	-1.37			
	Sqm	-1	2.22		0.30	-0.67			
Short Wall	Sqm	-2	3.66		0.30	-2.20			
Beam @ Truss Level									
Long wall	Sqm	-2	4.57		0.30	-2.74			
Short wall	Sqm	-2	3.66		0.30	-2.20			
Someshwara layout Kattigen halli									
Long Wall	Sqm	1	4.70		3.00	14.10			
	Sqm	1	4.70		3.40	15.98			
Short Wall	Sqm	1	3.55		3.20	11.36			
	Sqm	1	3.55		3.20	11.36			
			Short Wall height=(3+3.4)/2						
Deductions									
RS	Sqm	-1	2.35		2.75	-6.46			
Windows	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Long Wall	Sqm	-1	4.70		0.30	-1.41			
	Sqm	-1	2.35		0.30	-0.71			
Short Wall	Sqm	-2	3.55		0.30	-2.13			
Beam @ Truss Level									

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MEASUREMENT SHEET

FIRST AND FINAL BILL

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
Long wall	Sqm	-2	4.70		0.30	-2.82			
Short wall	Sqm	-2	3.55		0.30	-2.13			
Saptagiri Layout Kattigenhalli									
Long Wall	Sqm	1	4.60		3.00	13.80			
	Sqm	1	4.60		3.40	15.64			
Short Wall	Sqm	1	3.55		3.20	11.36			
	Sqm	1	3.55		3.20	11.36			
			Short Wall height=(3+3.4)/2						
Deductions									
RS	Sqm	-1	2.35		2.75	-6.46			
Windows	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Long Wall	Sqm	-1	4.60		0.30	-1.38			
	Sqm	-1	2.25		0.30	-0.68			
Short Wall	Sqm	-2	3.55		0.30	-2.13			
Beam @ Truss Level									
Long wall	Sqm	-2	4.60		0.30	-2.76			
Short wall	Sqm	-2	3.55		0.30	-2.13			
Muneshwara Layout Kattigenhalli									
Short wall	Sqm	1	4.06		3.00	12.18			
	Sqm	1	4.06		3.40	13.80			
Long Wall	Sqm	1	4.17		3.20	13.34			
	Sqm	1	4.17		3.20	13.34			
			Long Wall height=(3+3.4)/2						
Deductions									
RS	Sqm	-1	2.35		2.75	-6.46			
Windows	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Short wall	Sqm	-1	4.06		0.30	-1.22			
	Sqm	-1	1.71		0.30	-0.51			
Long Wall	Sqm	-2	4.17		0.30	-2.50			
Beam @ Truss Level									
Long wall	Sqm	-2	4.57		0.30	-2.74			
Short wall	Sqm	-2	4.17		0.30	-2.50			
Defence Colony Vinayak Nagara									
Short wall	Sqm	1	3.95		3.00	11.85			
	Sqm	1	3.95		3.40	13.43			
Long Wall	Sqm	1	4.17		3.20	13.34			
	Sqm	1	4.17		3.20	13.34			
			Long Wall height=(3+3.4)/2						

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BRUHAT BANGALORE MAHANAGARA PALIKE

Installation of RO Plant and Drilling Borewells and Accessories in Ward No. 05 , Byatarayanapura sub

MEASUREMENT SHEET

FIRST AND FINAL BILL

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
Deductions									
DS	Sqm	-1	2.35		2.75	-6.46			
In stairs	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Short wall	Sqm	-1	3.95		0.30	-1.19			
	Sqm	-1	1.60		0.30	-0.48			
Long wall	Sqm	-2	4.17		0.30	-2.50			
Beam at Truss Level									
Long wall	Sqm	-2	4.57		0.30	-2.74			
Short wall	Sqm	-2	3.55		0.30	-2.13			
Palanchalli									
Doddamaramappa Layout									
Short wall	Sqm	1	3.95		3.00	11.85			
	Sqm	1	3.95		3.40	13.43			
Long wall	Sqm	1	4.17		3.20	13.34			
	Sqm	1	4.17		3.20	13.34			
			Long Wall height=(3+3.4)/2						
Deductions									
DS	Sqm	-1	2.35		2.75	-6.46			
In stairs	Sqm	-1	1.20		1.20	-1.44			
Lintel Beam									
Short wall	Sqm	-1	3.95		0.30	-1.19			
	Sqm	-1	1.60		0.30	-0.48			
Long wall	Sqm	-2	4.17		0.30	-2.50			
Beam at Truss Level									
Long wall	Sqm	-2	4.57		0.30	-2.74			
Short wall	Sqm	-2	2.75		0.30	-1.65			
					Total Executed Quantity	**247.91**			
					Modified Schedule B Quantity	**247.91**			
					Now to Be Paid Quantity	**247.91**	**1034.21**	**256389.00**	

Providing 25mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge

Shivaram karanth nagar									
External Plastering									
Long wall	Sqm	1	4.57		3.00	13.71			
		1	4.57		3.40	15.54			
Short Wall		1	4.06		3.20	12.99			
		1	4.06		3.20	12.99			
Internal Plastering									
Long wall	Sqm	1	4.17		3.00	12.51			
		1	4.17		3.40	14.18			
Short Wall		1	3.66		3.20	11.71			
		1	3.66		3.20	11.71			

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	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)25MM DIAcomplete as per specifications and directions of the Engineer in charge									
	Shivaram karanth nagar	m	1	65.00			65.00			
	Srinivaspura Sai Baba Temple Road	m	1	55.00			55.00			
	Someshwara layout Kattigen halli	m	1	62.00			62.00			
	Saptagiri Layout Kattigenhalli	m	1	58.00			58.00			
	Muneshwara Layout Kattigenhalli	m	1	64.00			64.00			
	Defence Colony Vinayak Nagara	m	1	56.00			56.00			
	Palanahalli Doddamuniyappa Layout	m	1	60.00			60.00			
						Total Executed Quantity	**420.00**			
						Modified Schedule B Quantity	**420.00**			
						Now to Be Paid Quantity	**420.00**	**332.26**	**139550.00**	
No.26	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3 complete as per specifications and directions of the Engineer in charge									
	Shivaram karanth nagar	Each	4				4.00			
	Srinivaspura Sai Baba Temple Road	Each	4				4.00			
	Someshwara layout Kattigen halli	Each	4				4.00			
	Saptagiri Layout Kattigenhalli	Each	4				4.00			
	Muneshwara Layout Kattigenhalli	Each	4				4.00			
	Defence Colony Vinayak Nagara	Each	4				4.00			
	Palanahalli Doddamuniyappa Layout	Each	4				4.00			
						Total Executed Quantity	**28.00**			
						Modified Schedule B Quantity	**28.00**			
						Now to Be Paid Quantity	**28.00**	**509.17**	**14257.00**	
No.27	SKID SS 202, PUMP CRIIHP, VESSEL-1354 PENTAIR, PRESSURE GAZE 10KGS NORMAL, MPV-1"NB FRONT FACE FILTER, HOUSING 20"JUMBO-1", SPUN 20 JUMBO, PUMP CRI 2 -180-3, PT-8040 FRP PANTHER, MEMBRANE DOW 8040, CONTROLL PANNEL 1X3 (SUPER), ROTAMETER 120-1680 ACRYLIC, ROTAMETER 400-2000 ACRYLIC, PRESSURE GAZE GLYSERINE - 21KG PANTHER, BRINE CON VALVE 3/4, ACRYLIC SHEET, LPS DENFOS, HPS DENFOS, DOSINGPUMP DOSE, SAND, CHEEPS, ACTIVATED CARBON INDUSTRIAL, ANTI DOSING CHEMICAL, HANDLE VALVE, ASSEMBLING AND COMMISSIONING, TANK SS304 1000LTR INCLUSIVE OF AUTOMATED COIN MACHINE complete as per specifications and directions of the Engineer in charge									
	Shivaram karanth nagar	Nos	1				1.00			
	Srinivaspura Sai Baba Temple Road	Nos	1				1.00			

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Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate	Amount	Remark
Someshwara layout Kattigen halli	Nos	1				1.00			
Saptagiri Layout Kattigenhalli	Nos	1				1.00			
Muneshwara Layout Kattigenhalli	Nos	1				1.00			
Defence Colony Vinayak Nagara	Nos	1				1.00			
Palanahalli Doddamuniyappa Layout	Nos	1				1.00			
					Total Executed Quantity	**7.00**			
					Modified Schedule B Quantity	**7.00**			
					Now to Be Paid Quantity	**7.00**	**630000.00**	**4410000.00**	

No.28 Open conduit System: Supplying heavy gauge PVC conduit pipe ……dia confirming to IS 2509 with suitable size bends, plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using WF screws.a) 19/20mm dia 2mm thick chaper -1complete as per specifications and directions of the Engineer in charge

Shivaram karanth nagar	m	1	50.00			50.00			
Srinivaspura Sai Baba Temple Road	m	1	50.00			50.00			
Someshwara layout Kattigen halli	m	1	50.00			50.00			
Saptagiri Layout Kattigenhalli	m	1	50.00			50.00			
Muneshwara Layout Kattigenhalli	m	1	50.00			50.00			
Defence Colony Vinayak Nagara	m	1	50.00			50.00			
Palanahalli Doddamuniyappa Layout	m	1	50.00			50.00			
					Total Executed Quantity	**350.00**			
					Modified Schedule B Quantity	**350.00**			
					Now to Be Paid Quantity	**350.00**	**52.50**	**18375.00**	

No.29 Supplying and flush mounting teak wooden box without front plank, made of not less than 15mm thick wood, after due groove cutting, necessary masonry patch work complete. d)8''x6''x3''(203x152x76mm) complete as per specifications and directions of the Engineer in charge

Shivaram karanth nagar	Each	4				4.00			
Srinivaspura Sai Baba Temple Road	Each	4				4.00			
Someshwara layout Kattigen halli	Each	4				4.00			
Saptagiri Layout Kattigenhalli	Each	4				4.00			
Muneshwara Layout Kattigenhalli	Each	4				4.00			
Defence Colony Vinayak Nagara	Each	4				4.00			
Palanahalli Doddamuniyappa Layout	Each	4				4.00			
					Total Executed Quantity	**28.00**			
					Modified Schedule B Quantity	**28.00**			
					Now to Be Paid Quantity	**28.00**	**56.70**	**1588.00**	

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Assistant Engineer 9/10/24

Asst. Executive Engineer 9/10/2024

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